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**MISSION
COVERAGE
STATISTICS**

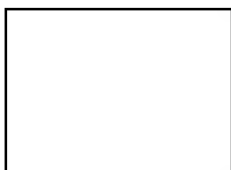
**NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER**

KH-4 MISSION 1116-1

19-29 APRIL 1972

DECLASS REVIEW by NIMA/DOD

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MAY 1972

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INTRODUCTION

This publication provides preliminary mission data, Greenwich Mean Time of passes, correlation of photographic coverage with WAC chart areas, coverage plots, and preliminary data for Mission 1116-1, dated 19-29 April 1972 (GMT).

Plot sheets are arranged by geographic areas as indicated by the index tabs. Coverage of the Eurasian land mass is divided into days to eliminate illegible overprinting.

Plots for the forward and aft cameras are portrayed as stereoscopic and/or monoscopic passes. Stereo passes will be shown with the forward-looking camera frame numbers inside the pass outline and the corresponding aft-looking camera frame numbers outside the pass outline. In the event of monoscopic coverage, only the frame numbers of the operative camera will appear. The relative location of photographs falling between the numbered frames may be approximated by interpolation.

All frames are indicated on the plot sheets, regardless of water coverage, total cloud cover, or a complete lack of imagery.

Refer to the Mission Coverage Statistics (MCS) entitled Target Coverage Summary, for additional information on Mission 1116-1.

25X1

CONTENTS

	Page
Preliminary Mission Data.	1
Greenwich Mean Time of Passes	2
WAC Coverage.	4
Coverage of Eurasia and Adjacent Areas.	7
Coverage of Africa and Adjacent Areas	15
Coverage of South America and Adjacent Areas	17
Coverage of Southeast Asia and Adjacent Areas	19

25X1D



TOP SECRET

PRELIMINARY MISSION DATA

Mission Number: 1116-1

Launch Date/Time (GMT): 19 April 1972/2144

Photo Dates (GMT): 20-29 April 1972

Recovery Date/Time (GMT): 1 May 1972/0010

Operational Photo Passes: 52

Operational Altitude Limits: 82-110 NM

Photo Scale Range: 1:249,072-1:333,912

Operational Ground Coverage (Fwd and Aft):

- a. Linear Nautical Miles 43,168
- b. Square Nautical Miles 5,870,848

Frames:

Operational

Fwd-Looking 2,697

Aft-Looking 2,699

Operational Imagery Footage (Fwd and Aft): 14,271

Anomalies: The port horizon camera shutter failed to close in three instances throughout the mission:

25X1

In each case, the shutter closed during the next programmed operation two main frames later. This anomaly caused two main frames to be severely fogged during each failure.

Vehicle Attitude: Normal.

Image Quality: The image quality is good and appears to be similar to that of recent KH-4B missions. Many frames maintain edge sharpness at 100X magnification.

Cloud Free Coverage: 85 percent of the mission is cloud free.

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GREENWICH MEAN TIME

These times are derived from preliminary data and cannot be verified at this time. They are carried to the nearest whole minute:

PASS	DATE	CAM ON		CAM OFF	
		HR (Z)	MIN (Z)	HR (Z)	MIN (Z)
3D	20 April 1972	02	05	02	06
5D	20 April 1972	05	10	05	12
6D (1)	20 April 1972	06	35	06	36
6D (2)	20 April 1972	06	44	06	45
8D	20 April 1972	09	31	09	32
9D	20 April 1972	11	00	11	03
10D	20 April 1972	12	52	12	54
11D	20 April 1972	14	06	14	07
18D	21 April 1972	00	18	00	19
19D	21 April 1972	01	47	01	50
22D	21 April 1972	06	26	06	27
23D (1)	21 April 1972	07	41	07	42
23D (2)	21 April 1972	07	43	07	44
23D (3)	21 April 1972	07	53	07	55
24D	21 April 1972	09	16	09	17
25D (1)	21 April 1972	10	43	10	44
25D (2)	21 April 1972	10	51	10	53
37D	22 April 1972	04	47	04	48
38D	22 April 1972	05	50	05	51
39D (1)	22 April 1972	07	22	07	23
39D (2)	22 April 1972	07	33	07	35
40D	22 April 1972	08	57	08	58
41D	22 April 1972	10	23	10	24
42D	22 April 1972	11	58	12	00
53D	23 April 1972	04	07	04	08
55D	23 April 1972	07	07	07	08
56D (1)	23 April 1972	08	33	08	34
56D (2)	23 April 1972	08	36	08	37
57D	23 April 1972	10	11	10	12
59D	23 April 1972	13	04	13	05
67D	24 April 1972	00	43	00	45
69D	24 April 1972	03	45	03	46
75D	24 April 1972	12	46	12	47
76D	24 April 1972	14	13	14	15
87D	25 April 1972	06	22	06	23
88D (1)	25 April 1972	07	50	07	51
88D (2)	25 April 1972	07	52	07	54
90D (1)	25 April 1972	10	51	10	52
90D (2)	25 April 1972	10	55	10	56
101D (1)	26 April 1972	02	54	02	54
101D (2)	26 April 1972	02	57	02	58
103D	26 April 1972	05	59	06	00
104D	26 April 1972	07	26	07	28
106D	26 April 1972	10	31	10	33
107D	26 April 1972	12	11	12	12
118D	27 April 1972	04	02	04	04
119D	27 April 1972	05	36	05	38
120D	27 April 1972	07	03	07	04
123D	27 April 1972	11	33	11	34
127D (1)	27 April 1972	17	39	17	40
127D (2)	27 April 1972	17	41	17	45

TOP SECRET

GREENWICH MEAN TIME (Continued)

PASS	DATE	CAM ON		CAM OFF	
		HR (Z)	MIN (Z)	HR (Z)	MIN (Z)
132D	28 April 1972	00	38	00	39
134D	28 April 1972	04	01	04	03
136D (1)	28 April 1972	06	36	06	37
136D (2)	28 April 1972	06	38	06	40
139D	28 April 1972	11	14	11	15
140D	28 April 1972	12	36	12	37
143D	28 April 1972	17	19	17	21
150D (1)	29 April 1972	03	21	03	22
150D (2)	29 April 1972	03	39	03	41
151D (1)	29 April 1972	04	49	04	49
151D (2)	29 April 1972	04	50	04	51
152D	29 April 1972	06	18	06	19
153D (1)	29 April 1972	07	45	07	46
153D (2)	29 April 1972	07	49	07	52
154D	29 April 1972	09	08	09	09

Next 1 Page(s) In Document Exempt

EURASIA

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 SOUTH AMERICA

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SOUTHEAST ASIA

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